

EXPERIMENTS OF BURBANK

His Application of the Darwin Theory in the Vegetable Kingdom Has Proven Highly Successful.

BY DAVID STARR JORDAN.
Luther Burbank of Santa Rosa, Cal., is doubtless the most skillful experimenter in the field of the formation of new forms of plant life by the process of crossing and selection.

HOW TO HELP THE HORSE

If your horse comes into the stable warm and tired, feed him no grain for at least an hour.
It is much better to give a horse a small quantity of water when he comes hot from the field, and an hour later give him all he can drink.

SHEEP ON THE FARM

It is a great mistake to overstock a pasture, as the sheep will lose the latter part of the summer all they have gained while pasture was good.
Better keep the ram in a paddock by himself out of sight of the ewes in daytime, turning the ewes into the ram's paddock at night.

FALL IN THE FLOWER GARDEN

The perennial is essentially the busy woman's favorite class of plants. These hardy plants are propagated by cutting and division which may be done now. When dividing such plants as perennial phlox, golden glow, feverfew, daisy, peony, etc., that a crown, shoot or bud is allowed each new plant.

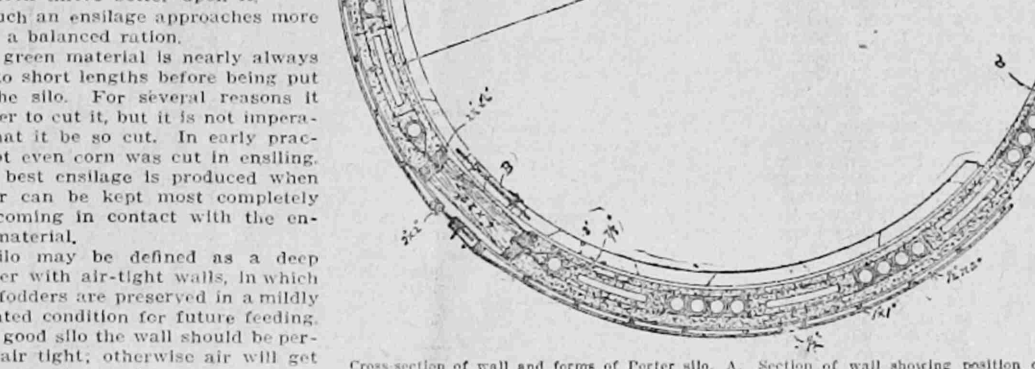
Nutritive Substances in Hay

The nutritive substances in hay or feed may be divided into two classes—flesh formers and fuel or energy-producing substances. When the proper amount of these two classes of substances is fed the ration is said to be balanced.

INCREASE OF CEMENT SILOS

MANY EXCELLENT TYPES GIVING SPLENDID SATISFACTION TO ENTERPRISING FARMERS OF MICHIGAN.

BY J. A. JEFFERY.
Michigan Agricultural College.
Ensilage may be roughly defined as moderately fermented succulent feeding material. The succulent material is usually green corn in this country.



Cross-section of wall and floor of Porter silo. The silo is made of 2 1/2 by 6 inch oak bridge timbers, with a 1 by 1 1/2 inch strip on the inner edge against the cement, which strip acts also as a shoulder for the doors.

NEWS FROM OTHER STATES

The Missouri State College of Agriculture at Columbia will complete \$100,000 worth of new buildings this fall.
The last year's hay crop was the largest on record. It amounted to 67,743,000 tons.

SELL THE GRAIN OR FEED IT?

The Latter Way is Best. Live Stock is Necessary if the Fertility of the Farm is to be Kept Up.

BY S. C. MILLER.
A farmer in southern Illinois said a short time ago:
"I have been raising corn on the old farm of 350 acres that father left me for many years and have always had pretty good crops. But somehow I do not seem to be making as much headway as I should. I have never raised much live stock, but think I will go into it. Do you think it would be more profitable?"

HANDLING ALFALFA HAY

The cutting of alfalfa should be done when not more than one-half the plants have blossomed.
At this stage the yield for the season will be greater than if cut earlier, therefore, more feed will be secured.

WINTER CULTURE OF ONIONS

To raise green onions for marketing in February, March and April, the kind to use is the so-called "Early Wonder" or "Winter Wonder," so named from the fact that they are so hardy that they live throughout the winter and it takes about seven years to rid the soil of the crop.

FENCE RAIL PHILOSOPHY

The bulk of the real work of this country is done by the plain citizen. If you are really serious about the future of the nation without adding any frills, some rural routes are being discontinued on account of bad roads. What is more, the government intends to keep up this policy. If you do not want your mail delivered after you need to be let the roads run down.

CARE OF WINTER VEGETABLES

Do not store away any unsound or bruised fruit or vegetables as they will soon decay and cause all those next to them to go the same way.
Bury Irish potatoes on a well drained spot. Cover with straw about six inches deep, put on four inches of dirt (earth) and let this freeze lightly, then cover with six or eight inches of rough, straw, stable manure. As soon as this gets wet and freezes put on six inches more earth and pat it down smooth. This is for potatoes for seed and table use next spring before early potatoes come again.